

# Heat Shrink Tubing

pro-POWER



## Features:

- Semi-rigid, adhesive lined, polyolefin tubing
- 3:1 shrink ratio
- Splash-resistant, moisture-resistant covering
- Rugged protection against abrasion, vibration and flexing
- Excellent strain relief and insulation of weak points
- Operation temperature range : -55°C to 125°C

## Dimension Table:

Size		As supplied (mm)			After Recovered (mm)			
Inch	mm	I.D.	Total Wall Thickness	O.D.	I.D.	Total Wall Thickness	Adhesive Thickness	O.D.
1/8	φ3.2	3.6 ±0.4	0.3 ±0.15	4.2 ±0.7	1 +0/-0.2	0.9 ±0.3	0.4 ±0.2	2.8 +0.6/-0.8
3/16	φ4.8	5.2 ±0.4	0.35 ±0.15	5.9 ±0.7	1.6 +0/-0.3	1.05 ±0.3	0.4 ±0.2	3.7 +0.6/-0.9
1/4	φ6.4	7 ±0.5	0.4 ±0.2	7.8 ±0.9	2.2 +0/-0.3	1.25 ±0.3	0.45 ±0.2	4.7 +0.6/-0.9
5/16	φ7.9	8.5 ±0.5	0.45 ±0.2	9.4 ±0.9	2.7 +0/-0.4	1.35 ±0.3	0.45 ±0.2	5.4 +0.6/-1
3/8	φ9.5	10 ±0.5	0.45 ±0.2	10.9 ±0.9	3.2 +0/-0.4	1.45 ±0.3	0.5 ±0.2	6.1 +0.6/-1
1/2	φ12.7	13.2 ±0.5	0.5 ±0.25	14.2 ±1	4.2 +0/-0.4	1.65 ±0.3	0.5 ±0.2	7.5 +0.6/-1
5/8	φ15	15.5 ±0.5	0.55 ±0.25	16.6 ±1	5.2 +0/-0.4	1.8 ±0.3	0.55 ±0.3	8.8 +0.6/-1
3/4	φ19.1	19.8 ±0.7	0.6 ±0.25	21 ±1.2	6.3 +0/-0.5	1.95 ±0.3	0.6 ±0.3	10.2 +0.6/-1.1

Dimensions : Millimetres

## Product Properties:

Property (Units)	Test Method	Requirement
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### Physical

Tensile Strength (psi)	ASTM D638	1,500 min.
Elongation (%)	ASTM D638	300 min.
Cold Impact (-55°C)	ASTM D746	no cracking
Heat Shock (250°C, 4 hrs)	AMS-DTL-23053	no cracking
Secant Modulus (psi)	ASTM D882	25,000 max.
Longitudinal Change (%)	AMS-DTL-23053	±5

### Electrical

Dielectric Strength (Volts / mm)	ASTM D876	1,500 min.
Volume Resistivity (Ω-cm)	ASTM D876	1 × 10 <sup>14</sup>

### Chemical

Corrosion	UL224	no corrosion
Water Absorption (%)	ASTM D570	2 max.
Fluid Resistance (23°C, 24 hrs)	-	Good
Flammability	UL224	Pass

## Part Number Table

Description	Part Number
Heat Shrink Tubing, 3:1, 1/8", 3.2mm, BLK, 10m	HS114
Heat Shrink Tubing, 3:1, 3/16", 4.8mm, BLK, 10m	HS115
Heat Shrink Tubing, 3:1, 1/4", 6.4mm, BLK, 10m	HS116
Heat Shrink Tubing, 3:1, 5/16", 7.9mm, BLK, 10m	HS117
Heat Shrink Tubing, 3:1, 3/8", 9.5mm, BLK, 10m	HS118
Heat Shrink Tubing, 3:1, 1/2", 12.7mm, BLK, 10m	HS119
Heat Shrink Tubing, 3:1, 5/8", 15mm, BLK, 10m	HS120
Heat Shrink Tubing, 3:1, 3/4", 19.1mm, BLK, 10m	HS121

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